

INTERNATIONAL SEARCH REPORT

International Application No
PCT/RU 03/00170

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C22B3/06 B01D53/56 C01B21/34 C01B17/96

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C22B B01D C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 425 800 A (BUTER LARRY J ET AL) 20 June 1995 (1995-06-20) figure; column 9, lines 16-24; column 15, lines 42-63	1
A	--- PASHKOV G L ET AL: "Effect of potential and ferric ions on lead sulfide dissolution in nitric acid" HYDROMETALLURGY, ELSEVIER SCIENTIFIC PUBLISHING CY. AMSTERDAM, NL, vol. 63, no. 2, February 2002 (2002-02), pages 171-179, XP004336037 ISSN: 0304-386X page 171	1
A	--- US 3 793 429 A (QUENEAU P ET AL) 19 February 1974 (1974-02-19) figure 1; column 5, lines 53-64 --- -/-	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 February 2004

Date of mailing of the international search report

1 2. 02. 04

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bjoerk, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/RU 03/00170

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE WPI Section Ch, Week 198017 Derwent Publications Ltd., London, GB; Class M25, AN 1980-30592C XP002268870 -& SU 681 107 A (NONFERR MET MINE), 25 August 1979 (1979-08-25) abstract</p>	2,5
X	<p>--- US 6 264 909 B1 (DRINKARD JR WILLIAM F) 24 July 2001 (2001-07-24) claim 1; column 5, lines 25-46</p>	2,5
X	<p>--- US 4 626 417 A (YOUNG DONALD C) 2 December 1986 (1986-12-02) claims 1,2,24 and 25; column 1, lines 33-42</p>	3
X	<p>--- WO 01 87464 A (GOLDEN CLAIRE ;ALIX FRANCIS (US); POWERSPAN CORP (US); MCLARNON CH) 22 November 2001 (2001-11-22) claims 1 and 4</p>	3
X	<p>--- US 5 158 582 A (WATANABE TAKANOBU ET AL) 27 October 1992 (1992-10-27) abstract; claims 1 and 2 -----</p>	4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/RU 03/00170

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5425800	A	20-06-1995	AU 7923394 A	22-05-1995
			EP 0686206 A1	13-12-1995
			WO 9512001 A1	04-05-1995
			ZA 9407706 A	06-02-1996

US 3793429	A	19-02-1974	AU 472293 B2	20-05-1976
			AU 5214673 A	15-08-1974
			CA 995468 A1	24-08-1976

SU 681107	A	25-08-1979	SU 681107 A1	25-08-1979

US 6264909	B1	24-07-2001	US 5912402 A	15-06-1999
			AT 257739 T	15-01-2004
			AU 709085 B2	19-08-1999
			AU 7597396 A	22-05-1997
			CA 2236149 A1	09-05-1997
			EP 0883427 A1	16-12-1998
			TW 425430 B	11-03-2001
			WO 9716230 A1	09-05-1997

US 4626417	A	02-12-1986	NONE	

WO 0187464	A	22-11-2001	AU 6310301 A	26-11-2001
			WO 0187464 A1	22-11-2001

US 5158582	A	27-10-1992	JP 1299642 A	04-12-1989
			JP 2037830 C	28-03-1996
			JP 5023828 B	05-04-1993
			DE 3939480 A1	06-06-1991
			GB 2238489 A ,B	05-06-1991
			GB 2267047 A ,B	24-11-1993
